



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		530
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		450CB
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	744
CURRENT		
FULL LOAD	(Amps)	126.62
LOCKED ROTOR	%	620
TORQUE		
FULL LOAD TORQUE	(Nm)	6795
STARTING TORQUE	%	78
MINIMUM TORQUE	%	74
BREAKDOWN TORQUE	%	204
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	158.8
EFFICIENCY		
100% LOAD	%	96.3
75% LOAD	%	96.3
50% LOAD	%	95.7
POWER FACTOR		
100% LOAD	%	76
75% LOAD	%	70.1
50% LOAD	%	58.3
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	5160
BEARINGS		
DRIVE END		6226
NON DRIVE END		6222
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	78
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C